

1077-M1-1407 **Sarah L. Marsh*** (sarah.marsh@okbu.edu), OBU Box 61772, 500 West University, Shawnee,
OK 74804. *Faculty Perspectives on the Transition to Graduate School in Mathematics.*

As students make the transition to graduate school in mathematics, they often face academic struggles, work to meet higher expectations, and search for strategies to deal with this new chapter in their academic experience. But, what exactly are these new graduate students experiencing? How do they cope with (or learn to flourish within) this transition? As part of an exploration of these aspects of the transition to graduate school in mathematics from both faculty and student perspectives, thirteen student interviews and eight faculty interviews were conducted. This talk will focus on these faculty members' views on this transition. We will look at themes emerging from faculty interview data, such as the nature of mathematics, students' preparation for graduate work, the importance of community in the graduate experience, and students' struggle to find a professional "place" in mathematics. (Received September 19, 2011)